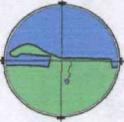


# POINT RUSTON



ASPF  
20.1

5219 N. Shirley St., Suite 100  
Tacoma, WA 98407

RECEIVED

MAY 21 2007

Environmental  
Cleanup Office

Phone: 253.752.2185  
Fax: 253.752.7083

May 15, 2007

Mr. Kevin L. Rochlin  
Remedial Project Manager  
U.S. Environmental Protection Agency  
Region 10  
1200 Sixth Avenue, ECL-111  
Seattle, WA 98101

RE: Monthly Report: No. 131, April 2007  
Operable Unit No. 02  
Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me.

Sincerely,

Sue O'Neill  
Development Project Manager

Attachment (4 copies)

cc: Chung Ki Yee - Washington Department of Ecology  
Evan Griffiths - CH2MHill (2 copies)  
Richard Kauffman - ATSDR c/o U.S. EPA Region 10  
Leslie Ann Rose - Citizens for a Healthy Bay

USEPA SF



1301651

Monthly Report No. 131, April 2007  
Operable Unit 02  
Asarco Tacoma Smelter Site

*A. Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. A regular monthly design review meeting was not held in April.
2. Amendments to Asarco's final Upland Remediation Design (September 2006) are being prepared consistent with the Second Amendment to the Consent Decree.
3. Remedial Action activities continued.

*B. Summary of sampling, tests, and all other data received or generated by Point Ruston in the previous month.*

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003 which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

Monthly averages and individual results for samples collected by Point Ruston in April are attached. There was no exceedance of the interim discharge limits.

2. Point Ruston collects OCF leachate in a 5,000 gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 209 gallons per day on the LCRS. Point Ruston shipped 4,500 gallons of leachate (6.6 ppm results attached) on April 6, 2007 and 4,550 gallons of leachate (5.8 ppm) on April 30, 2007.
3. Point Ruston completes air monitoring at the perimeter of Stack Hill during stack base demo operations. Results of samples collected from March 27<sup>th</sup> through April 26<sup>th</sup> are attached. There were no exceedances.

*C. Work Plans and other deliverables completed and submitted during the previous month.*

1. No comments were received from EPA during the month of April.

Monthly Report No. 131, April 2007  
Operable Unit 02  
Asarco Tacoma Smelter Site

2. Point Ruston submitted the Sediment Capping Project – Construction Monitoring/As-Built Report to EPA on April 12<sup>th</sup>.
3. Remedial Action during April included the following tasks:
  - OCF construction activities:
    - Maintained leachate collection system and shipped leachate for offsite treatment as necessary to maintain adequate storage capacity in the temporary storage tank.
  - Stack Hill construction activities:
    - Maintained erosion and surface water controls
    - Continued stack demolition
  - Site Capping construction activities:
    - Maintained subgrade areas at the site
  - Site-wide remediation activities:
    - Continued surface water controls
    - Maintained haul roads and stockpiles onsite

*D. Actions scheduled for the next six weeks.*

1. Point Ruston does not expect to receive comments from EPA on any submittals at this time.
2. Point Ruston will submit the Upland Remediation Design to EPA in May.
3. The following Remedial Action tasks are planned to continue:
  - RA Monitoring:
    - Outfall sampling (weekly composite samples) during scheduled months
  - OCF construction activities:
    - Continue collection of leachate for offsite disposal
    - Continue monitoring of leachate volumes
  - Stack Hill construction activities:
    - Erosion controls and site maintenance
    - Continue removal of stack foundation
    - Complete removal of soils above 230 ppm As and 500 ppm Pb and remediated 5' buffer zone on east side of Stack Hill
    - Complete post-remediation sampling of lots on Stack Hill
    - Continue air monitoring
  - Site Capping construction activities:
    - Continue to maintain subgrade areas at the site
    - Begin crushing of concrete and placement of residential soils on lower site.
  - Site-wide construction activities:
    - Continue surface water controls
    - Maintain roads and stockpiles onsite

*E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.*

1. Point Ruston Final Remediation Design is approximately 95% complete.

Monthly Report No. 131, April 2007  
Operable Unit 02  
Asarco Tacoma Smelter Site

*F. Modifications to work plans or schedules proposed to or approved by EPA.*

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston will submit a schedule to EPA for preparation of addenda to the remedial design prepared by Asarco in accordance with paragraph 30a of the Second Amendment.

*G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.*

1. Point Ruston attends the Town of Ruston's Town Council meetings routinely to answer question or give briefings regarding the status of RA and development planning activities (1<sup>st</sup> and 3<sup>rd</sup> Monday of each month).
2. Point Ruston is working with the City of Tacoma on development plans which incorporate remediation components for the site.
3. Point Ruston is working with MetroParks to incorporate the capping component into the Peninsula Park design.
4. Point Ruston meets with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.

Table 1. Summary of April 2007 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.051	10.15%	0.020	4.00%	0.020	4.00%
North Outfall	0.024	4.70%	0.010	2.00%	0.008	1.50%

\* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.



## ANALYTICAL SUMMARY REPORT

May 11, 2007

Sue O'Neill  
Point Ruston LLC  
5219 N. Shirley St. Suite 100  
Tacoma, WA 98407-

Workorder No.: B07050079

Project Name: Tacoma Smelter, Outfall Monitoring (Weekly Comp)

MAY 14 2007

Energy Laboratories Inc received the following 8 samples from Point Ruston LLC on 5/1/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B07050079-001	TSM0407409	04/09/07 14:10	05/01/07	Aqueous	Metals by ICP/ICPMS, Total Metals Digestion by EPA 200.2
B07050079-002	TSM0407109	04/09/07 14:20	05/01/07	Aqueous	Same As Above
B07050079-003	TSM0407416	04/16/07 15:30	05/01/07	Aqueous	Same As Above
B07050079-004	TSM0407116	04/16/07 15:45	05/01/07	Aqueous	Same As Above
B07050079-005	TSM0407423	04/23/07 15:00	05/01/07	Aqueous	Same As Above
B07050079-006	TSM0407123	04/23/07 15:10	05/01/07	Aqueous	Same As Above
B07050079-007	TSM0407430	04/30/07 15:00	05/01/07	Aqueous	Same As Above
B07050079-008	TSM0407130	04/30/07 15:10	05/01/07	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except if noted in report comments or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:



**ENERGY LABORATORIES, INC.** • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916  
800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
**Lab ID:** B07050079-001  
**Client Sample ID:** TSM0407409

**Report Date:** 05/11/07  
**Collection Date:** 04/09/07 14:10  
**Date Received:** 05/01/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.024	mg/L		0.005	E200.8		05/10/07 02:29 / sas
Copper	0.01	mg/L		0.01	E200.8		05/10/07 02:29 / sas
Zinc	ND	mg/L		0.01	E200.8		05/10/07 02:29 / sas

**Report Definitions:** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
Lab ID: B07050079-002  
Client Sample ID: TSM0407109

Report Date: 05/11/07  
Collection Date: 04/09/07 14:20  
Date Received: 05/01/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.052	mg/L		0.005		E200.8	05/10/07 02:37 / sas
Copper	0.01	mg/L		0.01		E200.8	05/10/07 02:37 / sas
Zinc	0.02	mg/L		0.01		E200.8	05/10/07 02:37 / sas

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
**Lab ID:** B07050079-003  
**Client Sample ID:** TSM0407416

**Report Date:** 05/11/07  
**Collection Date:** 04/16/07 15:30  
**DateReceived:** 05/01/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.029	mg/L		0.005	E200.8		05/10/07 02:45 / sas
Copper	0.03	mg/L		0.01	E200.8		05/10/07 02:45 / sas
Zinc	0.02	mg/L		0.01	E200.8		05/10/07 02:45 / sas

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
**Lab ID:** B07050079-004  
**Client Sample ID:** TSM0407116

**Report Date:** 05/11/07  
**Collection Date:** 04/16/07 15:45  
**Date Received:** 05/01/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.048	mg/L		0.005	E200.8		05/10/07 02:52 / sas
Copper	0.02	mg/L		0.01	E200.8		05/10/07 02:52 / sas
Zinc	0.02	mg/L		0.01	E200.8		05/10/07 02:52 / sas

**Report** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
**Lab ID:** B07050079-005  
**Client Sample ID:** TSM0407423

**Report Date:** 05/11/07  
**Collection Date:** 04/23/07 15:00  
**Date Received:** 05/01/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.020	mg/L		0.005	E200.8		05/10/07 03:00 / sas
Copper	ND	mg/L		0.01	E200.8		05/10/07 03:00 / sas
Zinc	ND	mg/L		0.01	E200.8		05/10/07 03:00 / sas

**Report** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
Lab ID: B07050079-006  
Client Sample ID: TSM0407123

Report Date: 05/11/07  
Collection Date: 04/23/07 15:10  
Date Received: 05/01/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.061	mg/L		0.005	E200.8		05/08/07 07:37 / sas
Copper	0.03	mg/L		0.01	E200.8		05/08/07 07:37 / sas
Zinc	0.03	mg/L		0.01	E200.8		05/08/07 07:37 / sas



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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

## LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC  
Project: Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
Lab ID: B07050079-007  
Client Sample ID: TSM0407430

Report Date: 05/11/07  
Collection Date: 04/30/07 15:00  
Date Received: 05/01/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.021	mg/L		0.005	E200.8		05/10/07 03:08 / sas
Copper	ND	mg/L		0.01	E200.8		05/10/07 03:08 / sas
Zinc	0.01	mg/L		0.01	E200.8		05/10/07 03:08 / sas

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter, Outfall Monitoring (Weekly Comp)  
**Lab ID:** B07050079-008  
**Client Sample ID:** TSM0407130

**Report Date:** 05/11/07  
**Collection Date:** 04/30/07 15:10  
**DateReceived:** 05/01/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	0.042	mg/L		0.005	E200.8		05/10/07 03:47 / sas
Copper	0.02	mg/L		0.01	E200.8		05/10/07 03:47 / sas
Zinc	0.01	mg/L		0.01	E200.8		05/10/07 03:47 / sas

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 05/11/07

Project: Tacoma Smelter, Outfall Monitoring (Weekly Comp)

Work Order: B07050079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 26674
Sample ID: MB-26674	Method Blank				Run: ICPMS202-B_070507A				05/08/07 03:12
Arsenic	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Zinc	0.002	mg/L	3E-05						
Sample ID: LCS1-26674	Laboratory Control Sample				Run: ICPMS202-B_070507A				05/08/07 03:19
Arsenic	0.0975	mg/L	0.0050	98	85	115			
Copper	0.0959	mg/L	0.010	96	85	115			
Zinc	0.0955	mg/L	0.010	94	85	115			
Sample ID: B07050006-001C MS1	Sample Matrix Spike				Run: ICPMS202-B_070507A				05/08/07 03:51
Arsenic	0.0991	mg/L	0.0050	98	70	130			
Copper	0.0935	mg/L	0.010	93	70	130			
Zinc	0.0917	mg/L	0.010	89	70	130			
Sample ID: B07050006-001C MSD1	Sample Matrix Spike Duplicate				Run: ICPMS202-B_070507A				05/08/07 03:58
Arsenic	0.100	mg/L	0.0050	98	70	130	1.0	20	
Copper	0.0951	mg/L	0.010	94	70	130	1.7	20	
Zinc	0.0934	mg/L	0.010	91	70	130	1.9	20	
Method: E200.8									Analytical Run: ICPMS202-B_070507A
Sample ID: QCS - ME070103B,ME07	Initial Calibration Verification Standard								05/08/07 02:32
Arsenic	0.0498	mg/L	0.0050	100	90	110			
Copper	0.0478	mg/L	0.010	96	90	110			
Zinc	0.0488	mg/L	0.010	98	90	110			

### Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



## QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 05/11/07

Project: Tacoma Smelter, Outfall Monitoring (Weekly Comp)

Work Order: B07050079

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8	Analytical Run: ICPMS202-B_070509A								
Sample ID: QCS - ME070103B,ME07	Initial Calibration Verification Standard								05/10/07 01:19
Arsenic	0.0496	mg/L	0.0050	99	90	110			
Copper	0.0485	mg/L	0.010	97	90	110			
Zinc	0.0493	mg/L	0.010	99	90	110			
Method: E200.8	Batch: R93285								
Sample ID: LRB	Method Blank								Run: ICPMS202-B_070509A 05/09/07 13:33
Arsenic	ND	mg/L	4E-05						
Copper	0.0003	mg/L	7E-05						
Zinc	0.0008	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank								Run: ICPMS202-B_070509A 05/09/07 13:41
Arsenic	0.0506	mg/L	0.0050	101	85	115			
Copper	0.0512	mg/L	0.010	102	85	115			
Zinc	0.0521	mg/L	0.010	103	85	115			
Sample ID: B07050005-004AMS	Sample Matrix Spike								Run: ICPMS202-B_070509A 05/09/07 23:29
Arsenic	0.0490	mg/L	0.0050	98	70	130			
Copper	0.0553	mg/L	0.010	108	70	130			
Zinc	0.0552	mg/L	0.010	106	70	130			
Sample ID: B07050005-004AMSD	Sample Matrix Spike Duplicate								Run: ICPMS202-B_070509A 05/09/07 23:37
Arsenic	0.0488	mg/L	0.0050	98	70	130	0.5	20	
Copper	0.0683	mg/L	0.010	134	70	130	21	20	SR
Zinc	0.0543	mg/L	0.010	104	70	130	1.8	20	
Sample ID: B07050395-001BMS	Sample Matrix Spike								Run: ICPMS202-B_070509A 05/10/07 05:44
Arsenic	0.0503	mg/L	0.0050	99	70	130			
Copper	0.0479	mg/L	0.010	93	70	130			
Zinc	0.0513	mg/L	0.010	90	70	130			
Sample ID: B07050395-001BMSD	Sample Matrix Spike Duplicate								Run: ICPMS202-B_070509A 05/10/07 05:51
Arsenic	0.0508	mg/L	0.0050	101	70	130	1.1	20	
Copper	0.0480	mg/L	0.010	93	70	130	0.2	20	
Zinc	0.0500	mg/L	0.010	87	70	130	2.6	20	

### Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

## Energy Laboratories Inc

### Sample Receipt Checklist

Client Name: Point Ruston LLC

Date and Time Received: 5/1/2007

Work Order Number B07050079

Received by: smr

Login completed by: Krystal McDonald  
Signature

5/1/2007  
Date

Reviewed by Denise Ruby  
Initials

5/2/2007  
Date

Carrier name: FedEx Express

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	4 °C On Ice
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Adjusted?

Checked by

Contact and Corrective Action Comments:

None

# POINT RUSTON, LLC

5219 N. Shirley St., Suite 100 Tacoma, WA 98407  
Phone: 253-752-2185 Fax: 253-752-7083

## CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS													
<i>Tacoma Smelter</i>		<i>Outfall monitoring (w/ly composites)</i>			<i>Total</i>	<i>Meths</i>	<i>A5</i>	<i>Cu</i>	<i>NH3</i>	<i>PCP</i>	<i>PCP</i>	<i>PCP</i>						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER													
4/9/07	N	1410	X		TSM 0407409							1	X	Ruston 4-1				
4/9/07	S	1420	X		TSM 0407109							1	X					
4/16/07	N	1530	X		TSM 0407416							1	X					
4/16/07	S	1545	X		TSM 0407116							1	X					
4/23/07	N	1500	X		TSM 0407423							1	X					
4/23/07	S	1510	X		TSM 0407123							1	X					
4/30/07	N	1500	X		TSM 0407430							1	X					
4/30/07	S	1510	X		TSM 0407130							1	X					
Relinquished (Signature)					Date/Time			Received by: (Signature)			Lab		Shipped via: FedEx, UPS or Other					
<i>Sue O'Neill</i>					4/30/07 1600								<i>Air Bill #</i>					
Relinquished (Signature)					Date/Time			Received by: (Signature)			Remarks		<i>Use ICP MS Preservative HNO3</i>					
								<i>Sandy Rusch</i>										
Relinquished (Signature)					Date/Time			Received for Laboratory by: (Signature)			Date/Time		Enclosed:					
													<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter					
<i>SEALS (B) FEDEX EXPRESS</i>														Split Samples: [ ] Accepted [ ] Declined _____				
														Signature				



**ENERGY LABORATORIES, INC.** • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916  
800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter, OCF Leachate  
**Lab ID:** B07031808-001  
**Client Sample ID:** TSM 030722

**Report Date:** 03/27/07  
**Collection Date:** 03/22/07 12:00  
**Date Received:** 03/23/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	6.6	mg/L		0.1	E200.7		03/27/07 08:15 / rlh

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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## LABORATORY ANALYTICAL REPORT

**Client:** Point Ruston LLC  
**Project:** Tacoma Smelter, OCF Leachate  
**Lab ID:** B07041227-001  
**Client Sample ID:** TSM040713

**Report Date:** 04/18/07  
**Collection Date:** 04/13/07 13:00  
**DateReceived:** 04/16/07  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>METALS, TOTAL</b>							
Arsenic	5.8	mg/L		0.1	E200.7		04/17/07 20:36 / rlh

**Report Definitions:** RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



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APR 18 2007

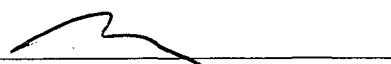
04/17/2007

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: 07-101/Point Ruston  
Sample Matrix: Air Cassette  
Date Sampled: 03/27/2007  
Date Received: 04/03/2007  
Spectra Project: 2007040057

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
032707-123	1	Total Arsenic	< 2	ug/m3	SW846 6010B
032707-333	2	Total Arsenic	< 2	ug/m3	SW846 6010B
032707-719	3	Total Arsenic	< 2	ug/m3	SW846 6010B
032707-123	4	Total Arsenic	< 2	ug/m3	SW846 6010B
032707-333	5	Total Arsenic	< 2	ug/m3	SW846 6010B
032707-719	6	Total Arsenic	< 2	ug/m3	SW846 6010B

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a7/scj

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## **CHAIN OF CUSTODY RECORD**

2007040057

# **POINT RUSTON, LLC**

5219 N. Shirley St., Suite 100      Tacoma, WA 98407  
Phone: 253-752-2185      Fax: 253-752-7083



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04/18/2007

*APR 19 2007*

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: 07-101/Point Ruston  
Sample Matrix: Air Cassette  
Date Sampled: 04/02/2007  
Date Received: 04/09/2007  
Spectra Project: 2007040154

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
040207-123	1	Total Arsenic	< 2	ug/M3	SW846 6010B
040207-333	2	Total Arsenic	< 2	ug/M3	SW846 6010B
040207-719	3	Total Arsenic	< 2	ug/M3	SW846 6010B
040307-123	4	Total Arsenic	< 2	ug/M3	SW846 6010B
040307-333	5	Total Arsenic	< 2	ug/M3	SW846 6010B
040307-719	6	Total Arsenic	< 2	ug/M3	SW846 6010B
040407-123	7	Total Arsenic	< 2	ug/M3	SW846 6010B
040407-333	8	Total Arsenic	< 2	ug/M3	SW846 6010B
040407-719	9	Total Arsenic	< 2	ug/M3	SW846 6010B

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a7/scj

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Point Ruston LLC

# ASARCO Consulting, Inc.

**CHAIN OF CUSTODY RECORD**

5219 North Shirley St, Suite 100, Ruston, WA 98407 (253) 752-1470 FAX (253) 752-7663

3007040154

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS <i>A5</i>	REMARKS <i>Please fax results to Sue O'Neill @ Point Ruston</i>		
07-101		Point Ruston					
SAMPLERS: (Signature) <i>John M. Miller</i>							
DATE	STA #	TIME	COMP			GRAB	SAMPLE NUMBER
4/2/07	49T						040207-123
4/2/07	COURT						040207-333
4/2/07	Comm						040207-719
4/3/07	49T						040307-123
4/3/07	Court						040307-333
4/3/07	Comm				040307-719		
4/4/07	49T				040407-123		
4/4/07	Court				040407-333		
4/4/07	Comm				040407-719		
Relinquished (Signature)		Date/Time		Received by: (Signature)			
<i>John M. Miller</i>		0905 4/9/07		<i>Sue O'Neill</i>			
Shipped via: FedEx, UPS or Other Air Bill #							
Remarks							
Relinquished (Signature)		Date/Time		Received by: (Signature)			
<i>Sue O'Neill</i>		4/9/07 1355		<i>John M. Miller</i>			
Enclosed:							
<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter							
Split Samples: [ ]Accepted [ ]Declined							

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MAY 02 2007

04/30/2007

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: 07/101-Point Ruston  
Sample Matrix: Air Cassette  
Date Sampled: 04/10/2007  
Date Received: 04/16/2007  
Spectra Project: 2007040270

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
041007-123	1	Total Arsenic	<2	ug/M3	SW846 6010B
041007-333	2	Total Arsenic	<2	ug/M3	SW846 6010B
041007-719	3	Total Arsenic	<2	ug/M3	SW846 6010B
041107-123	4	Total Arsenic	<2	ug/M3	SW846 6010B
041107-333	5	Total Arsenic	<2	ug/M3	SW846 6010B
041107-719	6	Total Arsenic	<2	ug/M3	SW846 6010B
041207-123	7	Total Arsenic	<2	ug/M3	SW846 6010B
041207-333	8	Total Arsenic	<2	ug/M3	SW846 6010B
041207-719	9	Total Arsenic	<2	ug/M3	SW846 6010B
041307-123	10	Total Arsenic	<2	ug/M3	SW846 6010B
041307-333	11	Total Arsenic	<2	ug/M3	SW846 6010B
041307-719	12	Total Arsenic	<2	ug/M3	SW846 6010B

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/scj

Page 1 of 1

# Point Ruston LLC - ASARCO Consulting, Inc.

## CHAIN OF CUSTODY RECORD

20070410270

5219 North Shirley St, Suite 100, Ruston, WA 98407 (253) 752-1470 FAX (253) 752-7663

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS						
07-101		POINT RUSTON											P.5
DATE		STA #	TIME	COMP	GRAB	SAMPLE NUMBER							
4/10/07	49T					041007-123		1	X				
4/10/07	Court					041007-333		1	1				
4/10/07	Comm					041007-719		1	1				
4/11/07	49T					041107-123		1	1				
4/11/07	Court					041107-333		1	1				
4/11/07	Comm					041107-719		1	1				
4/12/07	49T					041207-123		1	1				
4/12/07	Court					041207-333		1	1				
4/12/07	Comm					041207-719		1	1				
4/13/07	49T					041307-123		1	1				
4/13/07	Court					041307-333		1	1				
4/13/07	Comm					041307-719		1	1				
Relinquished (Signature)						Date/Time	Received by: (Signature)	Lab		Shipped via: FedEx, UPS or Other _____ Air Bill # _____			
<i>Jane M. Woltz</i>						4/16/07 0930	<i>Sue O'Neill</i>						
Relinquished (Signature)						Date/Time	Received by: (Signature)	Remarks					
<i>Jane M. Woltz</i>						4/16/07 1100	<i>Sue O'Neill</i>						
Relinquished (Signature)						Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:				
									<input type="checkbox"/> Parameter List with DTLs				
									<input type="checkbox"/> Cover Letter				
									Split Samples: [ ] Accepted [ ] Declined _____				
									Signature _____				



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MAY 02 2007

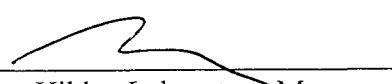
04/30/2007

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: 07-101/Point Ruston  
Sample Matrix: Air Cassette  
Date Sampled: 04/16/2007  
Date Received: 04/24/2007  
Spectra Project: 2007040402

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
041607-123	1	Total Arsenic	<2	ug/M3	SW846 6010B
041607-333	2	Total Arsenic	<2	ug/M3	SW846 6010B
041607-719	3	Total Arsenic	<2	ug/M3	SW846 6010B
041707-123	4	Total Arsenic	<2	ug/M3	SW846 6010B
041707-333	5	Total Arsenic	<2	ug/M3	SW846 6010B
041707-719	6	Total Arsenic	<2	ug/M3	SW846 6010B
041807-123	7	Total Arsenic	<2	ug/M3	SW846 6010B
041807-333	8	Total Arsenic	<2	ug/M3	SW846 6010B
041807-719	9	Total Arsenic	<2	ug/M3	SW846 6010B
041907-123	10	Total Arsenic	<2	ug/M3	SW846 6010B
041907-333	11	Total Arsenic	<2	ug/M3	SW846 6010B
041907-719	12	Total Arsenic	<2	ug/M3	SW846 6010B
042007-123	13	Total Arsenic	<2	ug/M3	SW846 6010B
042007-333	14	Total Arsenic	<2	ug/M3	SW846 6010B
042007-719	15	Total Arsenic	<2	ug/M3	SW846 6010B

SPECTRA LABORATORIES

  
Steve Hibbs, Laboratory Manager

a7/scj

# POINT RUSTON, LLC

5219 N. Shirley St., Suite 100  
Phone: 253-752-2185

Tacoma, WA 98407  
Fax: 253-752-7083

## CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME				NO. OF CONTAINERS	REMARKS
07-101		POINT RUSTON					
SAMPLERS: (Signature)							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
4/16/07	49T				041607-123	1	X
4/16/07	COURT				041607-333	1	
4/16/07	Comm				041607-719		
4/17/07	49T				041707-123		
4/17/07	COURT				041707-333		
4/17/07	Comm				041707-719		
4/18/07	49T				041807-123		
4/18/07	COURT				041807-333		
4/18/07	Comm				041807-719		
4/19/07	49T				041907-123		
4/19/07	COURT				041907-333		
4/19/07	Comm				041907-719		
4/20/07	49T				042007-123		
4/20/07	COURT				042007-333		
4/20/07	Comm				042007-719		
Relinquished (Signature)			Date/Time		Received by: (Signature)		Lab
			4/23/07 1520				Shipped via: FedEx, UPS or Other _____ Air Bill # _____
Relinquished (Signature)			Date/Time		Received by: (Signature)		Remarks
			4-24-07 <del>4-23-07</del> 9:05				
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)		Date/Time
							Enclosed:
							<input type="checkbox"/> Parameter List with DTLs
							<input type="checkbox"/> Cover Letter
Split Samples: [ ]Accepted [ ]Declined _____							
Signature _____							



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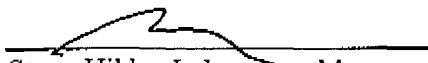
05/16/2007

Point Ruston  
5219 N. Shirley St.,  
Suite 100  
Tacoma, WA 98407

Project: 07-101/Point Ruston  
Sample Matrix: Air Cassette  
Date Sampled: 04/23/2007  
Date Received: 05/01/2007  
Spectra Project: 2007050007

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
042307-123	1	Total Arsenic	< 2	mg/Kg	SW846 6010B
042307-333	2	Total Arsenic	< 2	mg/Kg	SW846 6010B
042307-719	3	Total Arsenic	< 2	mg/Kg	SW846 6010B
042407-123	4	Total Arsenic	< 2	mg/Kg	SW846 6010B
042407-333	5	Total Arsenic	< 2	mg/Kg	SW846 6010B
042407-719	6	Total Arsenic	< 2	mg/Kg	SW846 6010B
042507-123	7	Total Arsenic	< 2	mg/Kg	SW846 6010B
042507-333	8	Total Arsenic	< 2	mg/Kg	SW846 6010B
042507-719	9	Total Arsenic	< 2	mg/Kg	SW846 6010B
042607-123	10	Total Arsenic	< 2	mg/Kg	SW846 6010B
042607-333	11	Total Arsenic	< 2	mg/Kg	SW846 6010B
042607-719	12	Total Arsenic	< 2	mg/Kg	SW846 6010B

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/sej

Page 1 of 1

# POINT RUSTON, LLC

5219 N. Shirley St., Suite 100      Tacoma, WA 98407  
 Phone: 253-752-2185      Fax: 253-752-7083

## CHAIN OF CUSTODY RECORD

2007050007

PROJ. NO	PROJECT NAME				NO. OF CONTAINERS	REMARKS
07-101	POINT RUSTON					
SAMPLERS: (Signature)						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
4/23/07	49T				042307-123	X
4/23/07	Court				042307-333	1
4/23/07	Comm				042307-719	
4/24/07	49T				042407-123	
4/24/07	Court				042407-333	
4/24/07	Comm				042407-719	
4/25/07	49T				042507-123	
4/25/07	Court				042507-333	
4/25/07	Comm				042507-719	
4/26/07	49T				042607-123	
4/26/07	Court				042607-333	
4/26/07	Comm				042607-719	
Relinquished (Signature)	Date/Time		Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
<i>Tom Muller</i>	4/30/07 1420		<i>Sue O'Neill</i>			
Relinquished (Signature)	Date/Time		Received by: (Signature)		Remarks	
<i>Sue O'Neill</i>	5/1/07 920		<i>Marcie Volk</i>			
Relinquished (Signature)	Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
						Split Samples: <input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Declined _____
						Signature _____